

MULTIMEDIA MATERIALS FOR GMAT

The Dolciani Math Center (7th Floor Hunter East) has multi-media materials for this exam. Bring your ID card to the Learning Center and ask for the lesson by the call number below. If there is more than one number listed, there are several alternatives for the lesson. You may pick and choose which works best for you.

TOPIC	GMAT DVDs	CDs/DVDs	PLATO Available Under:
Addition and subtraction of whole numbers and fractions	1	S3, X1, Y1, Y3	Fraction Operations
Multiplication and division of whole numbers and fractions	1	S3, X1, Y1, Y3	Fraction Operations
Operations on decimals	1	Y4	Decimals: Operations
Conversions of fractions to decimals and vice versa	1	Y4	Decimal Concepts: Place Value, Ordering, Rounding
Solving problems with averages	1, 2	Y10	
Using Venn Diagrams to solve problems		B3-4	
Operations on integers	1	S1, X1, Y2	Integers: Concepts and Operations
Using the standard order of operations	1	A3, S1, X1, Y2	Integers: Concepts and Operations
Using divisibility rules to find factors	1	Y3	Common Factors and Multiples
Finding a common factor	1, 2	Y3	Common Factors and Multiples
Finding a common multiple	1, 2	Y3	Common Factors and Multiples
Evaluation of algebraic expressions	1	S1, X2, Y5	Integers: Concepts and Operations
Solving equations	1, 2	S2, X2, Y6	Linear and Literal Equations and Formulas
Solving literal equations	1, 2	S2	Linear and Literal Equations and Formulas
Solving inequalities	1, 2	X4	Linear Inequalities
Solving work problems	1, 2	S2	
Solving mixture problems		X3, Y8	Systems of Linear Equations
Finding rates	1	X3, Y8	Rates, Ratio and Proportion
Using proportions for finding missing values	1, 2	X3, Y8	Rates, Ratio and Proportion
Applications of the percent equation	1	X3, Y8	Percent
Using the percent formula	1, 2	X3, Y8	Percent
Finding percent increase or decrease	1, 2	X3, Y8	Percent
Translating English sentences to algebraic expressions	1	X2, Y6	Linear and Literal Equations and Formulas
Operations with exponential expressions	1	S1, X5	Rationals and Radicals: Exponents and Equations
Operations on negative exponents	1	A8, S1, X5	Rationals and Radicals: Exponents and Equations
Multiplication of polynomials	1	S1, S2, X1, Y5	Polynomials: Concepts, Operations, Equivalence
Factoring polynomials	1, 2	S2, S3, X6	Factoring Polynomials
Solving quadratic equations by factoring	1, 2	S3, X7	Quadratic Equations: Solving
Solving systems of equations	1, 2	A5, AT3, G-7, S4, W-2, X7, X8	Systems of Linear Equations
Working with arithmetic and geometric sequences		G-8, J22, J23	Patterns and Sequences
Solving permutations and combinations	1, 2	J25, L4T1	Probability: Introductory
Finding outcomes	1, 2	G-9, J25, SB16	Probability: Introductory
Finding simple probability	1, 2	G-9, Y10	Probability: Introductory
Solving multiple-event probabilities	1, 2	L3, L4T2, SB15	Probability: Introductory
Applying triangle properties	1	Z3	Polygons & Geometric Proofs & Geometric Constructions
Finding the angles of a regular polygon	1, 2	Z6	Polygons & Geometric Proofs & Geometric Constructions
Finding the length of an arc and area of a sector	1, 2	Z7	Circles: Inscribed, Circumscribed, Angles, Arc Length, etc.
Working with inscribed and circumscribed circles	1		Circles: Inscribed, Circumscribed, Angles, Arc Length, etc.
Finding the volume of solid	1, 2	Z7	Volume: Rectangular Prisms, Cones, Pyramids, Cylinders, and Spheres
Finding the surface area of solid		Z7	Surface Area and Nets
Using the Pythagorean Theorem	1	S4, Z5	
Finding the volume of a cylinder and sphere	1, 2	Z7	Volume: Rectangular Prisms, Cones, Pyramids, Cylinders, and Spheres
Angles formed by intersecting lines	1	Z2	Geometric Proofs
Area of a triangle	1	Z6	Polygons
Similar triangles	1	Z4	Similarity, Proofs and Constructions
Right triangles	1	Z5	Polygons & Geometric Proofs
Area of polygons	1	Z6	Surface Area and Nets
Circumference and perimeter	1	Z7	Coordinate Geometry
Area of a circle	1	Z7	Circles: Inscribed, Circumscribed, Angles, Arc Length, etc.
Reading and graphing linear equations		A4, G-1, S4, X5, Y7, Z7, Z8	Graphing Linear Equations
Finding x and y-intercepts		X5, Z7, Z8	Graphing Linear Equations
Finding slope		A4, A7, X5, Z7, Z8	Graphing Linear Equations
Distance between two points		A4	Geometric Concepts: Introductory- Line, Line Segment, etc.
Determining functions		X10	Functions: Notation, Domain, Range, Properties, etc.
Graphing functions		G-1, K1, X10	Functions: Translating, Combining, Graphing, Inverse
Operations on radicals	1, 2	S3, S4, X8	Rationals and Radicals: Exponents and Equations
Simplifying radicals	1, 2	S3, S4, X8	Rationals and Radicals: Exponents and Equations
Finding the mode and range		Y10	Statistics: Introductory- Measures of Center and Spread
Working with statistical graphs	1	H8, I1, I3, SB3, Y10	Statistics: Interpreting Graphs
Finding the mean, median and standard deviation	1, 2	H8, I1, Y10	Statistics: Introductory- Measures of Center and Spread